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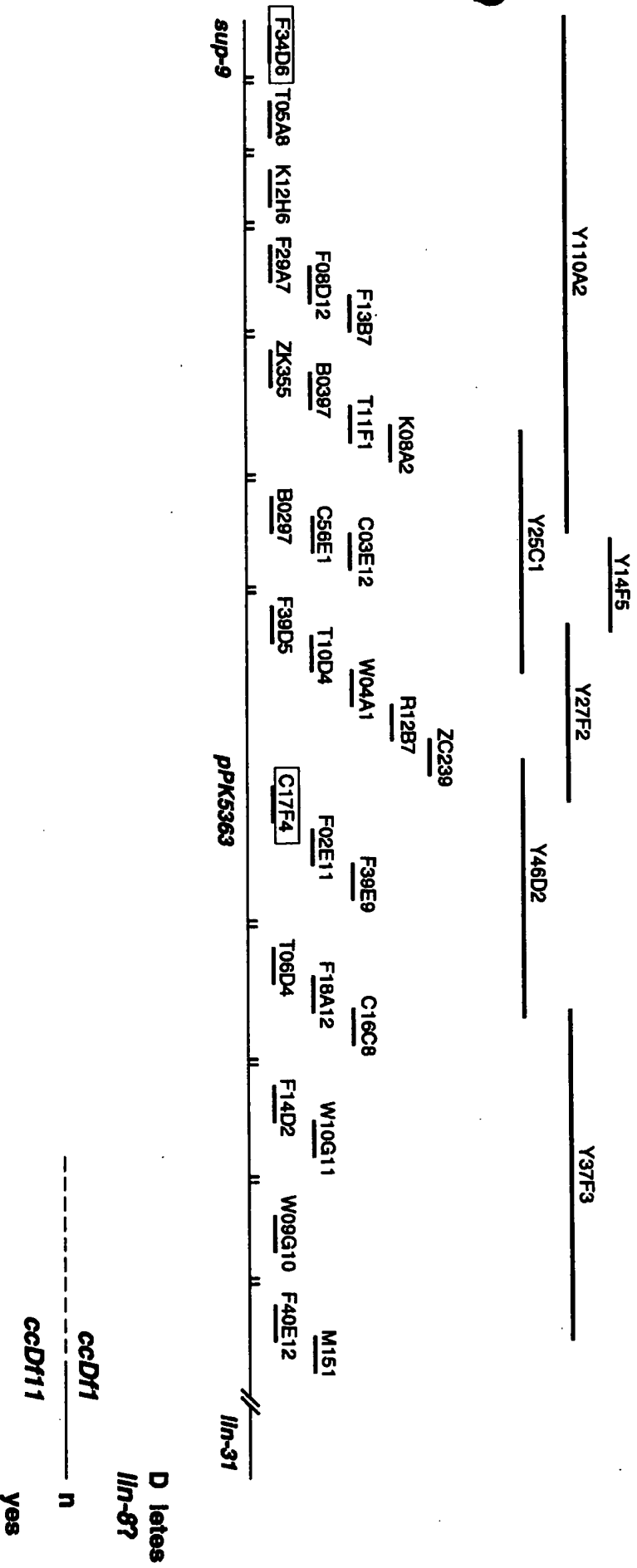
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FIG. 1



*iln-8*

FIG. 2

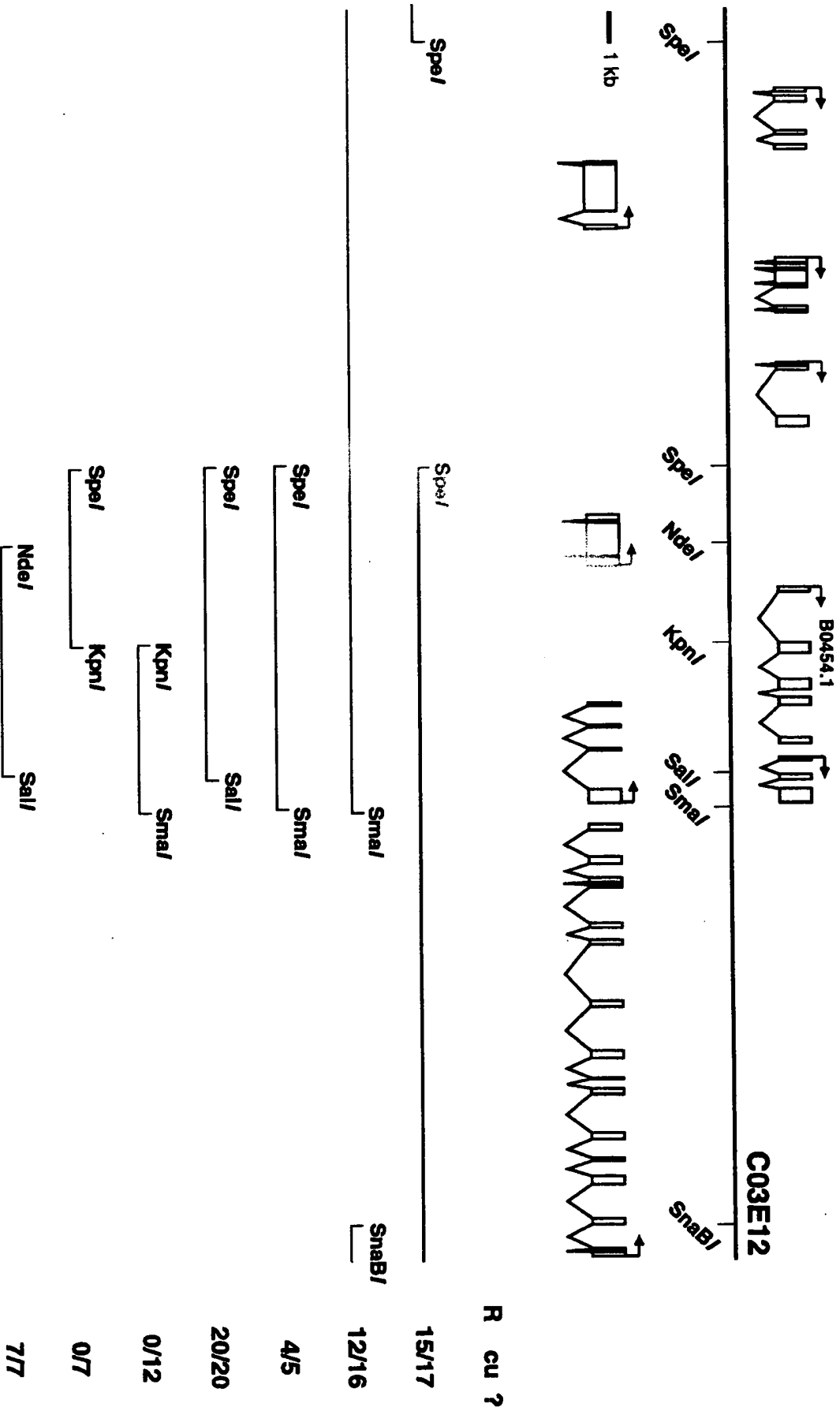


FIG. 3

LN-8 K THSTGSKRTVPFYKL VPLP PDP RYFSTK IALSKD FK DDYDVN ETL NEIGKC 75  
C41H7.3 LS QE-----LLDAP PAAT I--HRISLSG RNI--HAKS LKTM LCVRR SLEENR 62  
C41H7.4 L QE-----HMH RAIT A--HQITL EKER-- KDYVRDATK ASV SLKDH 60  
C41H7.5 L QE-----HMN RTIT P--HQITL EKER-- V RDYVRNATK TSL SLIKDR 60  
C41H7.6 LN QE-----GVADA RALT I F--IHVSM E MGM-- LNSVYEATK SAL DLKDR 61  
C08A9.6 MNP EE--PRFSIVPLPR RPTT I--SHCITMAD LLL-- NTK HKTATRAPKI L SLKDR 67  
C08A9.7 VSATRV--PRRSTTSATAQRTPS M A--SFPTMDE LEK-- NRE VVNASK IAM LA TLELY 68  
F14D2.2 R QE-----QVNPP RAIT A--HRITMDE KKR-- KDYVRDATK ASV SLKDY 62

LN-8 DI SSRSQAIMEHYPIVAT TR LLL-----IKS KQIYKC DN RNR RVA VS RTTP QV Y 143  
C41H7.3 RAL IRVHKSPKADWEVLGV-- VFE KAV-----VKQ QRIFLTARDW RRN QLY IQRKMDKLTLD E 129  
C41H7.4 GM QNGNRFOPEKWRALGV-DV Q QIV-----RVNDRMKMLVM SV KKKIAIC RD K DR AT KD 127  
C41H7.5 KAM APAKPSSEDKWQKLGA-- VFS KVV-----VTQ RRLVSS HV KTKMSHC KV KMDRVST Y 134  
C41H7.6 GM QNGNRFOLENWRELGV-DV Q QIVRAELGEV VNDMHRMFVV AV KOKITVC RY K DR AT D 128  
C08A9.6 EI DRKAQFSAKNWQNLGV-- V E YIV-----RSND HKMLRTA VV KNK RTC GIK DR AT TE 134  
C08A9.7 EM KPGGPMVAKKWAFGA-- M R KIY-----RCKD HSVFTLT SSIKRK RTC LI RMHRSKTDEE 135  
F14D2.2 DM QNGNRFOQTRKWRALGV-- V Q QIV-----GVDDMRKMFMS TV KOKITFC RNMKMDR AT D 129

LN-8 M R F GFIR DYTQRW D LKDLVDVLGLEAR ASKNMEKVDS LMEPMEPM STMDEMCEV E P... 214  
C41H7.3 LAK L PHFI QYLGQF H-----GEE-----WT LY-----D DIICDGMQV V... 177  
C41H7.4 L Y Y RHFL ETLGQF N-----GEE-----WT DQIQDE-- DIYDGMLDGDL... 178  
C41H7.5 L N F RHFL EMLDRF N-----GKQ-----WT DQPTDD-D DIICDGIFF V M... 186  
C41H7.6 L Q N F RHFR ETLGQF N-----GEQ-----WT DQPADD-D DIYDGIFF V M... 180  
C08A9.6 L K Y PHFI ETLGHF N-----GEP-----WD AHIDDD-D DIYEGYV ADK... 186  
C08A9.7 M K Y L PYFQ QSIGQF K-----DEP-----WT DQAQED-- DILFDGLF V N... 186  
F14D2.2 L Q N Y RHFL QTLGKF K-----GEQ-----WI DQVEDDDE DVIIFDGES 178

LN-8 ..EEMNO TY AI IAREQ E L K L K DVV FDDQ-- ADV YR QKNS 386  
C41H7.3 ...EDSVSYTKITEDLLOKK HKHRFI Q KTIM LDDDEV TELA FG I EQSNVVRRLRLQROQQRGREGQ 366  
C41H7.4 ...RSAQH AE AK LFLOQ EKSNI I ETM KTI FDDPSAD QNV EIFD AQEA AKKRAENRAQREQ 331  
C41H7.5 ...STAEQ GEEID LIQLY Q EMI I Q F KTI F LEDET V FSNL FE EQENFKRRRSRAQRL 327  
C41H7.6 ...STAEQ GEEID LIQLY Q EMI I Q F KTI F LEDET V FSNL FE EQENFKRRRSRAQRL 321  
C08A9.6 ...NSAQH GE VH LFAQY E SK F ET KTI LEEP-- EHAAEVFT QSETAKRRRSSEATWQNGQ 344  
C08A9.7 ...KTADN GD VKQLFVDH D ANFF EV KTV ELRDP--AFTNA VFFDEMSSLES AKRRRSEMNK 331

—0.1 mu

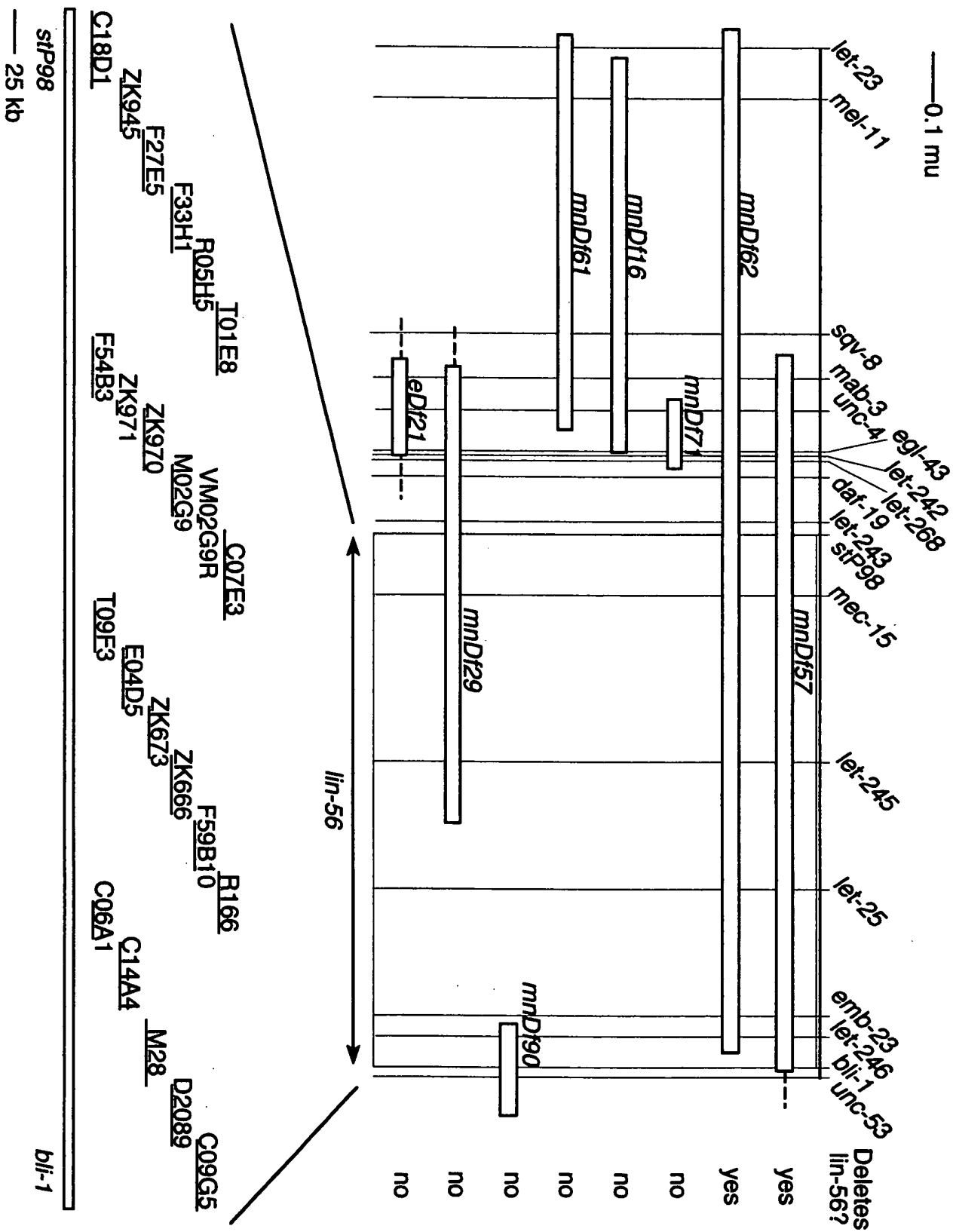


FIG. 5

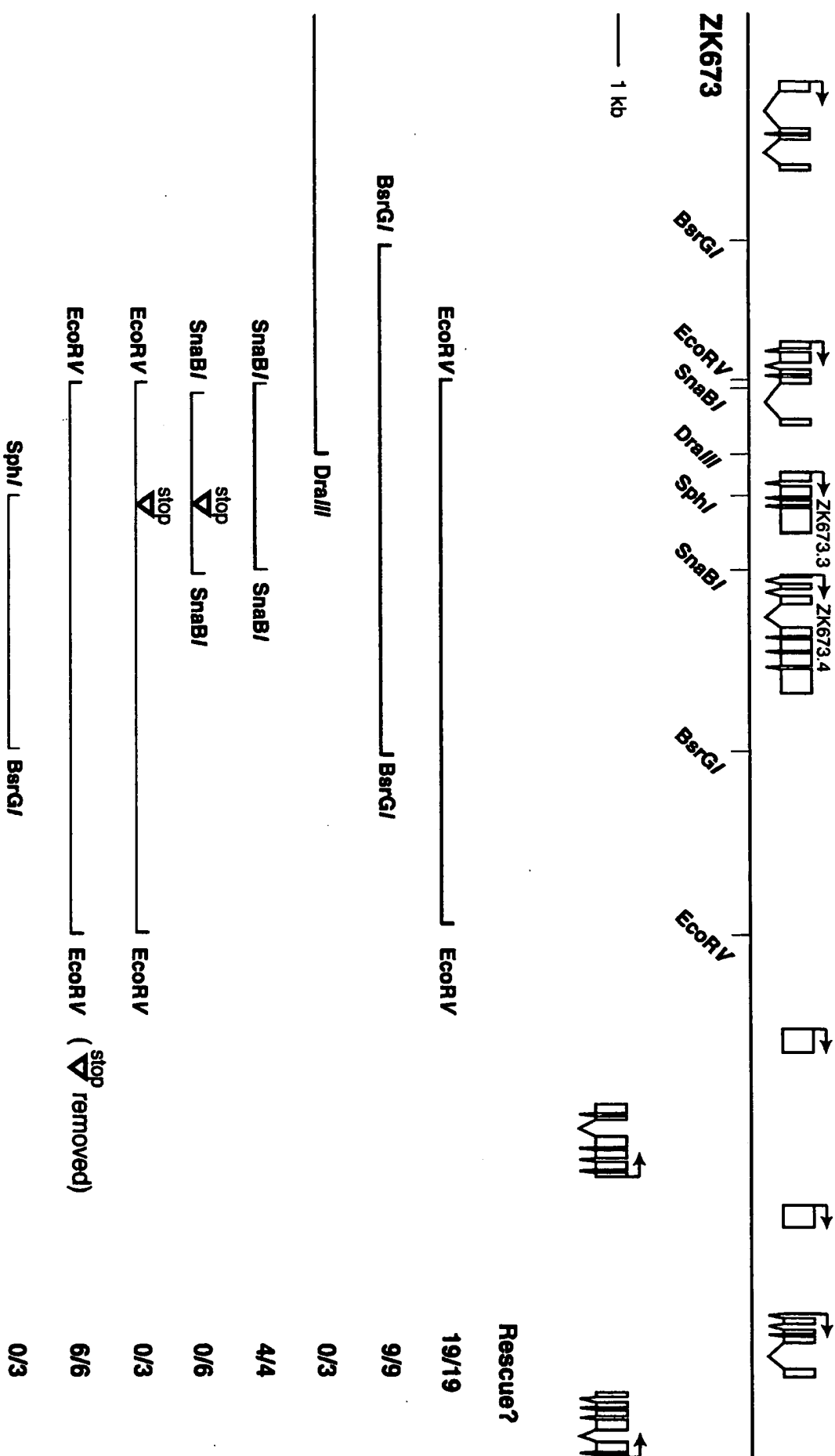




FIG. 6

LIN-56

MDHHAMRYRTAEFNKTTVRLLAEFIEKTQGNATIVNMDSFLEFFAYLNPTA 50  
PIPTVPEIEKQLLKSPi 100  
[REDACTED] HVIFEGLOIENTYCAHAKYSL 150  
ANRWCKVYTMIRSSLGEQFTKFDVRNFKSILQSFLDTFGEIDDDKDKDES 200  
SHFDECFEEMDSENVKIMESPQEEAAEKSKFSENLVEVKLEPIETHELD 250  
KTISDFSSSDIIDSQKLQNGCFPEKEVQMDKYSNKLKDEASDKKYEKPG 300  
KKDYVEEEGYWAPIITDSEDEEA 322

69 R V GMETESDSAVTLSIDN S I T T IGYCRDPSPD VNQ K S RA TK FNSIF 128  
211 L EKALLMRESIAMTDNE VKV M A MSGHERMAT EKA H R RM YD VDFV 270  
176 I GNEVPCHRSIRVSDDDD A F T A LTDQKTIRQ KRD LS Y TV LR SLHY 235  
274 [REDACTED] LV NQQMEMTKVRSVNTD Y M IYVC MNDKYDMDK KELA MQRFKC VS LDEL 333  
\* \* \*

FIG. 7

		10	20	30	40
		.....*	.....*	.....*	.....*
consensus	1	FDWEDYL---	EETGARAAPVELF---	DKQPVDSPNGFKV	34
lin-61	146	VNYVNNCi-d	GEIVGQTSLSPKF---	DEGKALLSKHRFKV	181
lin-61	23	YLWESYLhqf	EKGKTSFIPVEAF---	NRNLTVPNFECVKE	59
lin-61	388	FRWDEYL---	EKESAETLPLDLF---	KPMPSQERLDKFKV	421
hl(3)mbt	206	WSWESYL---	EEQKAITAPVSLFq---	DSQAVTHNKNKFKL	240
hl(3)mbt	314	FSWSQYM---	CSTRAQAAPKHMf---	VSQSHSPPLGFQV	347
hl(3)mbt	422	PCWEKYL---	EETGASAVPTWAF-----	KVRPPHSFLV	451
tumor sup(Dm)	819	FRWSEYLk---	SKGKDVAAPIHLF----	LNPFPISPNCFEI	852
tumor sup(Dm)	926	FSWSRYL---	VKTGGKAAPRALFghl	NMQQMDVRNGFAV	962
tumor sup(Dm)	1035	FIWDDYI---	SEVGGMAASKELF-----	TPRQPMHEYQE	1064
scmh1 (mouse)	28	FTWDKYL---	KETCSVPAPVHCF----	KQSYTPPSNEFKI	60
scml2 (human)	139	SSWPMFLl-k	TLNGSEMASATLf----	KKEPPKPPLNNFKV	174
		50	60	70	80
		.....*	.....*	.....*	.....*
consensus	35	-----GMKLEAVDP-----	RNPSLICVATVVEVKYR	61	
lin-61	182	-----GQRLELLNY-----	SNSTEIRVARIQEICGRR	208	
lin-61	60	-----GVIFETVVHdydknc	DSIQVRWFARIEKVCGYR	92	
lin-61	422	iliskrvGLRLEAADM-----	CENQFICPATVKSVBHRL	455	
hl(3)mbt	241	-----GMKLEGIDP-----	QHPSMYFILTVAEVCGYR	267	
hl(3)mbt	348	-----GMKLEAVDR-----	MNPSLVCVASVTDVDSR	374	
hl(3)mbt	452	-----NMKLEAVDR-----	RNPALIRVASVEDVEDHR	478	
tumor sup(Dm)	853	-----GMKLEAIDP-----	ENCSLFCVCSIVEVRGYR	879	
tumor sup(Dm)	963	-----GMHLEAEDL-----	NDTGKICVATVTDILDER	989	
tumor sup(Dm)	1065	-----RMKLEVVDQ-----	RNPCLIRPATVVTRKGYR	1091	
scmh1 (mouse)	61	-----SMKLEAQDP-----	RNTTSTCIATVVGLTGAR	87	
scml2 (human)	175	-----GMKLEAIDK-----	KNPYLICPATIGDVKGDE	201	
		90	100	110	120
		.....*	.....*	.....*	.....*
consensus	62	LLLHFD-----	GWDDR-----	YDFWCDADSPDIF	85
lin-61	209	MNVSITkkdfpesl	pdADDDRqvfssgSQY	WIDEGSFFIF	246
lin-61	93	VLAQFI-----	GAD-----	TKFWNLISDDMF	114
lin-61	456	INVNFD-----	GWDEE-----	FDELYDVDSHDIL	479
hl(3)mbt	268	LRLHFD-----	GYSEC-----	HDFWVNANSPDIH	291
hl(3)mbt	375	FLVHFD-----	NWDDT-----	YDYWCDPSSPYIH	398
hl(3)mbt	479	IKIHFD-----	GWSHG-----	YDFWIDADHPDIH	502
tumor sup(Dm)	880	LKLSFD-----	GYSSM-----	YDFWVNADSQDIF	903
tumor sup(Dm)	990	IRVHFD-----	GWDDC-----	YDLWVHITSPYIH	1013
tumor sup(Dm)	1092	VQLHLD-----	CWPTE-----	YYFWLEDDSPDLH	1115
scmh1 (mouse)	88	LRLRLD-----	GSDNK-----	NDFWRLVDSSEIQ	111
scml2 (human)	202	VHITFD-----	GWSGA-----	FDYWCKYDSRDIF	225
		130			
		.....*	.....*		
consensus	86	PVGWCEKNGHPLQPP	100		
lin-61	249	PVGFAAVNGYQLNAK	263		
lin-61	115	GLANAAM-SDPNMDK	128		
lin-61	480	PIGWCEAHSYVLQPP	494		
hl(3)mbt	292	PAGWFECTGHEKLQLP	306		
hl(3)mbt	399	PVGWCQKQKPLTPP	413		
hl(3)mbt	503	PAGWCSKTGHEPLQPP	517		
tumor sup(Dm)	904	PPGWCDATARVLQAP	918		
tumor sup(Dm)	1014	PCGWHEGRQQLIVPP	1028		
tumor sup(Dm)	1116	PIGWCEATSHELETP	1130		
scmh1 (mouse)	112	PIGNCEKNGGMLQPP	126		
scml2 (human)	226	PAGWCRLTGDVLQPP	240		





Protein product of 11s-61 cDNA	Protein product of hsp 900919	Protein product of Ce 10c11.4
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
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61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75

translation of 11n-61 cDNA	protein product of hsp 9000315	protein product of Ce 90001.1
31 P E K K T S E P D V E A P A N M D S E N - 7 H C E H G V I F E P V V - - - D Y D K D S I Y R R P A I I E H V G G Y A E L A E F G A - - - 101	12 V A - - - - - V A P E T C L P E R - - - - - V P V I A Q I V K A G Y M A L E S G P U 90	76 M I D G M T G F P V E A L C G L P E K L H N N P G P N L E V V V P S L T P S I K S P L R R V F Q N P A V C G E T Y A E F G G E L N 150

[illegible][illegible]

translation of J19-61 cDNA	231	P S G Q S	L W D E C	G S F I P P V G F A	A N G Y	L M A K K V	E H	I A	A I	N G E	F	T D S D D V T P D Q L A K D P I D P E N R	308	
Protein product of hsp 70A0915	161	--	D D F W C E H	S P L I E L G M	K S I G E R P K E			I E E K D	P D S P P	L T A V K	R V D G S	--	O E 216	
Protein product of Co 74G02L.6	299	H E	V	F W D E S	S P F	P P V G C F A	M	H N C L R	K A		Q Y E H H A	I A V	O S -- C - E K L W --	350

Translation of 11d-61 cDNA	308	K	R	V	G	Q	K	F	E	L	I	D	P	L		Q	Q	T	M	N	V	A	I	L	R	F	C	H	T	C	L	I	G	D	G	P	A	L	S	-	P	P	I	N	E	N	F	H	F	P	V	G	V	A	N	K		E	L	V		379					
Protein product of hsp 24A09319	219	W	F	K	G	K	L	E	V	I	D	P	L								C	V	A	T	R	K	K	L	A	-	G	F	L	I	G	D	G	E	A	D	Q	S	D	F	C	X	H	A		A	S	S	F	P	V	G	P	E	I	M	E	L	T		290		
Protein product of Co Y6023.6	351	L	K	R	V	G	Q	K	F	E	L	I	D	P	L		D	L	N		F	C	V	A	T	R	K	K	C	K	T	P	G	F	L	I	S	P	D	E	E	L	D	S	-	P	I	H	I	D	N	F	H	F	P	V	G	V	A	N	K		I	R	L		421

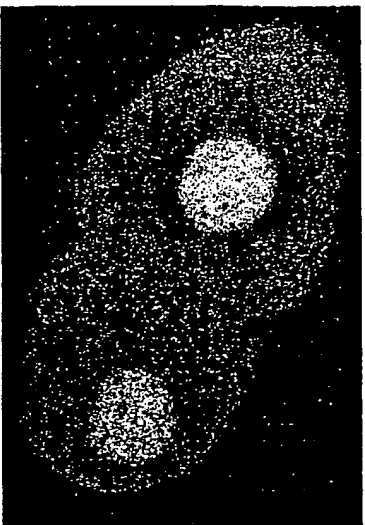
Translation of 11a-61 cDNA	579	P	D	-	E	P	K	G	F	E	V	L	E	K	R	A	A	E	P	P	L	F	P	P	S	E	R	L	D	K	F	V	I		E	K	A	V	G	L	E	S	A	A	D	N	C	E		F	I	C	P	A	T	V	K	S	V	H	G		482		
Protein product of hnp 3A509219	291	P	P	A	G	T	K	L	F	K	V	P	Y	L	E	T	E	T	O	I	A	P	K	L	F	E	R	K	D	V	-	-	H	Q	P	V	G	K	L	E	A	V	D	L	-	-	-	-	-	-	E	P	L	I	C	V	A	T	V	R	A	I	H		351
Protein product of Ce Y1601A.6	424	R	L	A	G	F	R	P	G	K	F	K	V	L	E	K	O	A	E	R	P	D	L	E	P	S	K	E	R	A	H	M	F	M	T	G	N	L	E	A	V	G	O	-	-	-	-	-	-	E	T	I	P	A	T	V	M	V	H	G		493			

[illegible]

498  
410  
512

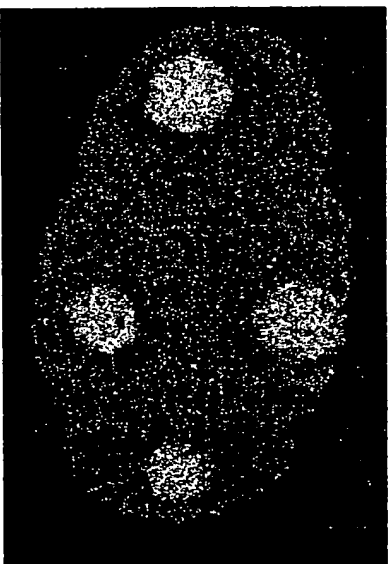
U.S. PATENT OFFICE  
MAR 19 1980

FIG. 9A



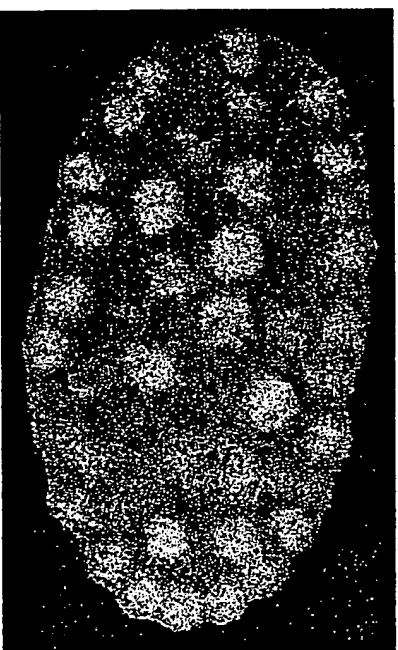
2-cell embryo

FIG. 9B



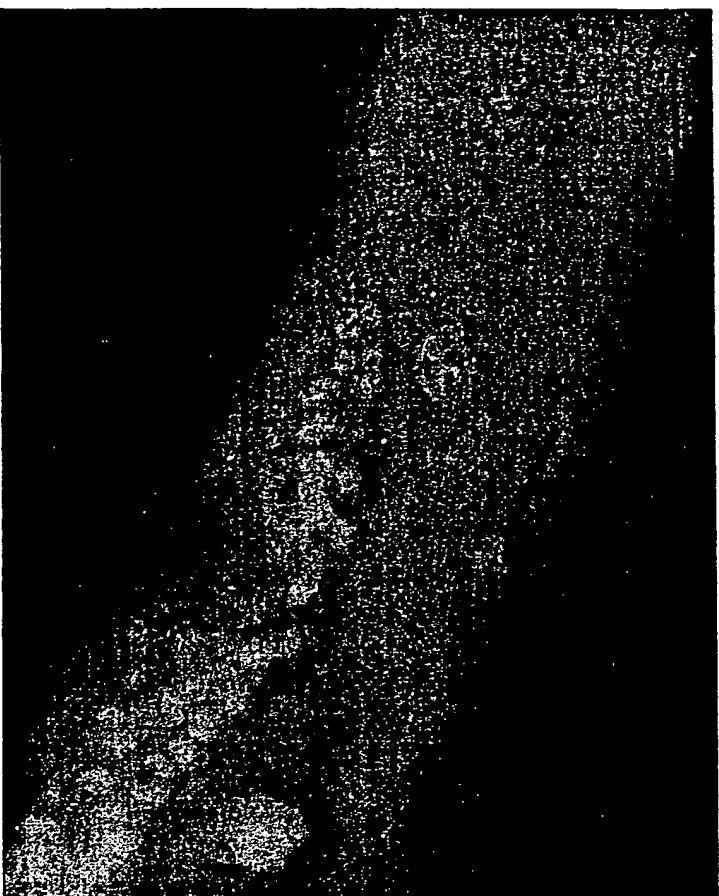
4-cell embryo

FIG. 9C



multicellular embryo

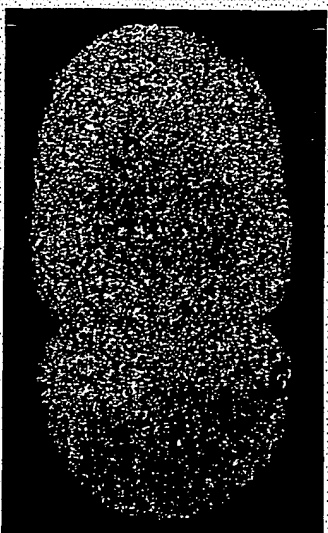
FIG. 9D



vulval region of an L4 larva

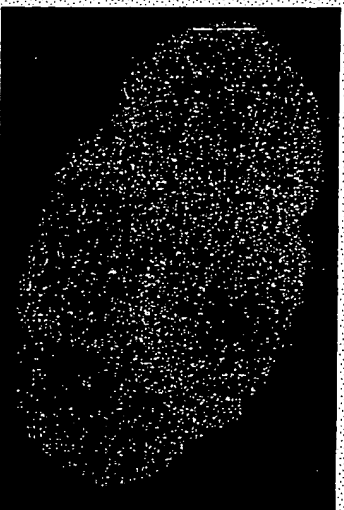


FIG. 10A



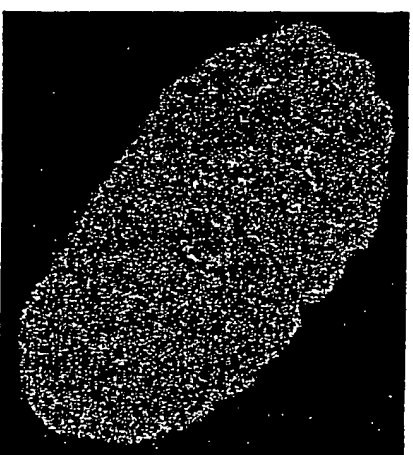
2-cell embryo

FIG. 10B



4-cell embryo

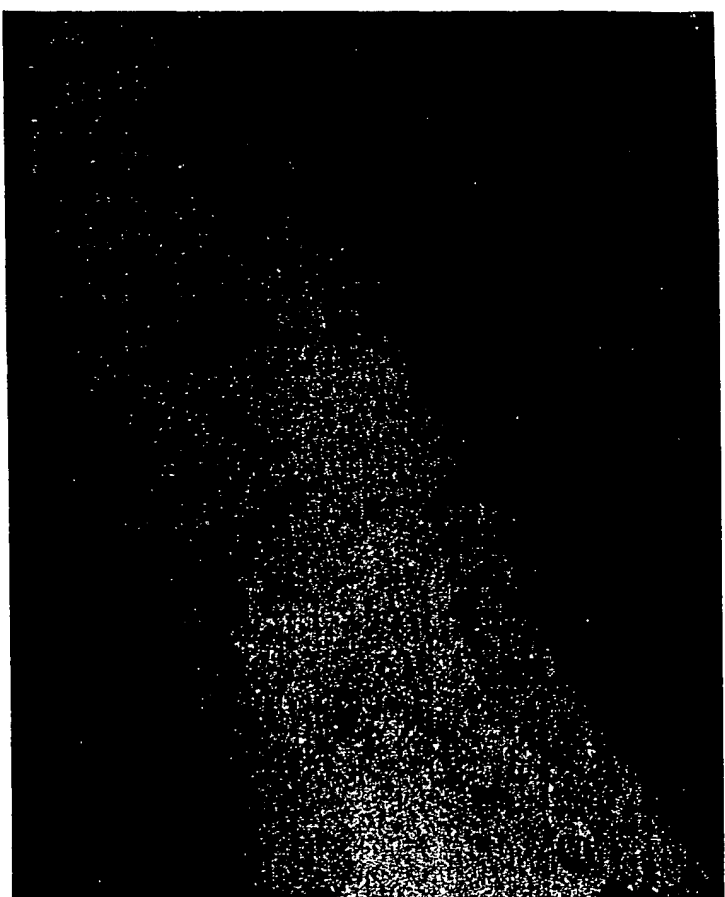
FIG. 10C



multicellular embryo



FIG. 10D



vulval region of an L4 larva



FIG. 11A

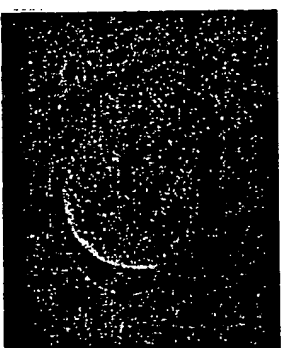


FIG. 11B

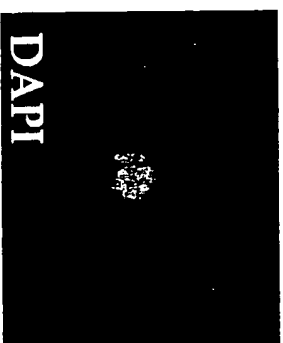


FIG. 11C

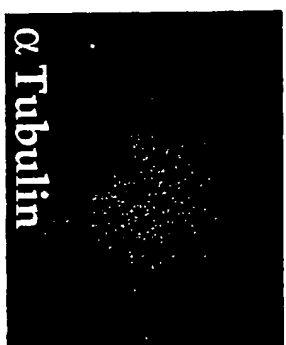




FIG. 12A



FIG. 12B



FIG. 12C



FIG. 12D



FIG. 12E



FIG. 12F

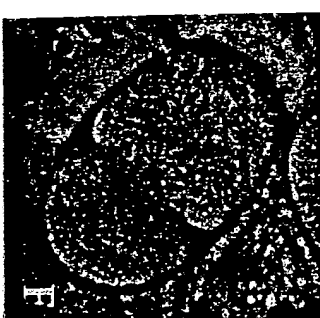


FIG. 12G



FIG. 12H

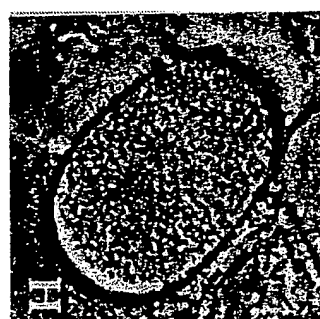




FIG. 13A

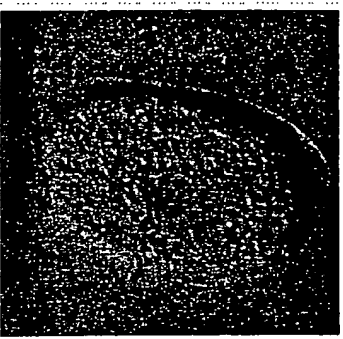


FIG. 13B

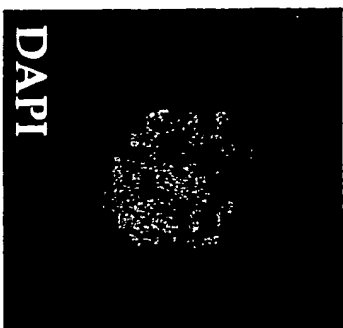


FIG. 13C

